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PTO/SB/21 (03-03)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number 09/834,660

Filing Date 4/12/2001

First Named Inventor Luan C. Tran

Art Unit 2813

Examiner Name L. Schillinger

Attorney Docket Number MI22-1637

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC)
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Return Receipt Postcard; Interview Summary; A \$1020.00 Check
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

EV550714754

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual	James D. Shaurette, Reg. No. 39,833 Wells St. John, P.S.
Signature	
Date	4/28/05

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as express mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: April 28, 2005	
Typed or printed	Jim Tidrick
Signature	
Date	4-28-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,020.00

### Complete if Known

Application Number 09/834,660  
Filing Date April 12, 2001  
First Named Inventor Luan C. Tran  
Examiner Name L. Schillinger  
Art Unit 2813  
Attorney Docket No. M122-1637

### METHOD OF PAYMENT (check all that apply)

- ☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_
- ☒ Deposit Account Deposit Account Number: 23-0925 Deposit Account Name: Wells St. John, P.S.
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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### FEE CALCULATION

EV550714754

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

EXTRA CLAIM FEE				Fee (\$)	Small Entity Fee (\$)
Fee Description				Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)				50	25
Each independent claim over 3 (including Reissues)				200	100
Multiple dependent claims				360	180
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	
50	- 20 or HP = 18	x 50.00	= \$900.00	Fee (\$)	Fee Paid (\$)
HP = highest number of total claims paid for, if greater than 20.					
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		
	- 3 or HP =	x	=		
HP = highest number of independent claims paid for, if greater than 3.					

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$)

Fee Paid (\$)

- 100 = / 50 = (round up to a whole number) x =

#### 4. OTHER FEE(S)


Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Request for Extension of Time (1 month)

Fees Paid (\$)

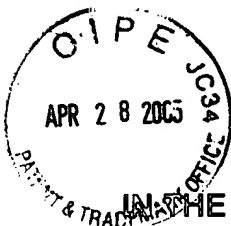
\$120.00

#### SUBMITTED BY

Signature  Registration No. 39,833 Telephone 509-624-4276  
Name (Print/Type) James D. Shaurette Date 4/28/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 09/834,660  
Filing Date ..... April 12, 2001  
Inventor..... Luan C. Tran  
Assignee..... Micron Technology, Inc.  
Group Art Unit..... 2813  
Examiner ..... L. Schillinger  
Attorney's Docket No. .... MI22-1637  
Title: Semiconductor Processing Methods Of Forming Transistors, Semiconductor  
Processing Methods Of Forming Dynamic Random Access Memory Circuitry,  
And Related Integrated Circuitry

INTERVIEW SUMMARY

To: Mail Stop Amendments  
Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

EV 550714754

From: James D. Shaurette  
Tel. 509-624-4276; Fax 509-838-3424  
Wells St. John P.S.  
601 W. First Avenue, Suite 1300  
Spokane, WA 99201-3817

Sir:

Applicant thanks the Examiner for the courtesies extended to the undersigned during the telephone interview of April 26, 2005. Applicant submitted that the Liaw reference is ambiguous with respect to the teachings of the threshold voltages with respect to dimensions and may not be properly asserted as prior art to allegedly teach the claim relationships of active area widths and threshold voltages. The Examiner asserted that dimensions 12N and 12W of Liaw correspond to the claimed active area widths regardless of the specific teachings of reference 42 of Liaw defining "channel

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width" in a direction orthogonal to dimensions 12N and 12W.

Applicant submitted that teachings regarding threshold voltage in Liaw are not relevant to the discussions of PMOS in Liaw and in fact the PMOS devices are masked during the Boron implant steps. The Office did not point to any teachings that the voltage threshold teachings of Liaw were directed to the PMOS structures.


With respect to claim 23, Applicant discussed the table and Fig. 4. and noted that regardless of whether L or channel width is read to correspond to Applicant's channel width, the only teachings of decreasing threshold voltage relative to decreasing channel width are for the triangles and squares *not having the Boron implant* and accordingly fail to disclose the limitations of claim 23 which defines that the threshold voltages are defined by the common channel implant.

Additional details regarding the points made by the undersigned during the telephone interview are set forth in the remarks of the accompanying response.

The Examiner is requested to phone the undersigned if the Examiner believes such would facilitate prosecution of the present application. The undersigned is available for telephone consultation at any time during normal business hours (Pacific Time Zone).

Respectfully submitted,

4/28/05  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
James D. Shaurette  
Reg. No. 39,833